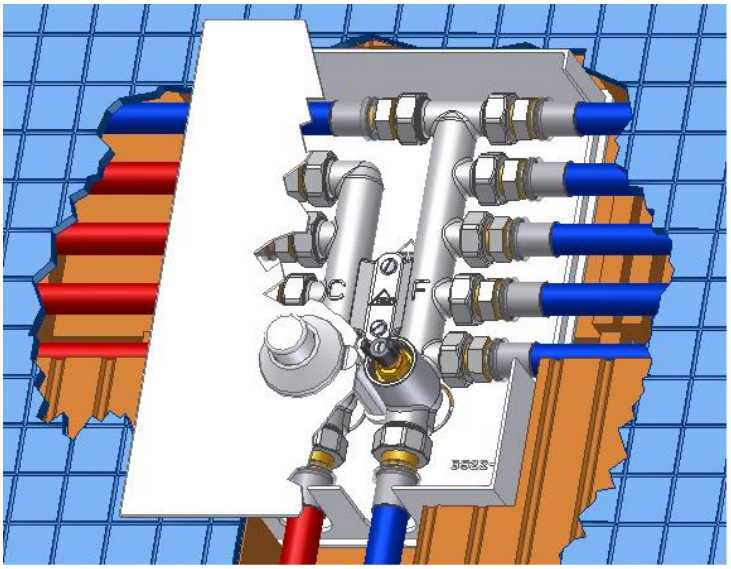
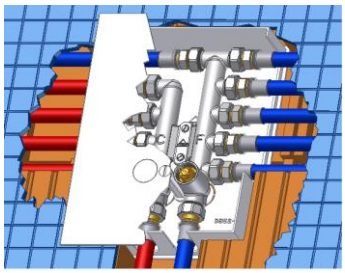
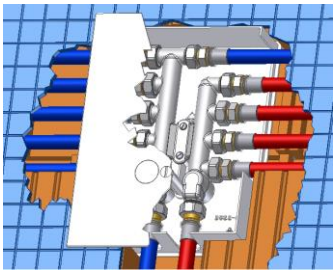
RBM	MANIFOLD FOR SANITARY SYSTEMS **MONOBLOCK-SANITARIO M.S.®**	CT0903.0_05 ENG September 2021







IN COMPLIANCE WITH ACS

RBM PATENT NO. TO2005U000070

PRODUCTION RANGE

By-passes for the delivery of hot sanitary water	By-passes for the delivery of cold sanitary water*	Codes	Position and protection of the opening and closing valves of the main ways
3	5	**967.00.00**	Opening/closing using of a butterfly hand-wheel; box with external knob on the cover
		967.00.10	Opening/closing using of a screwdriver; box without knob
4	6	**903.00.50**	Opening/closing using of a butterfly hand-wheel; box with external knob on the cover
		903.00.60	Opening/closing using of a screwdriver; box without knob

- Conncetions of the main ways	Euroconus (G3/4" UNI-EN-ISO 228) connections for fittings for pipes made of copper, polyethylene or multilayer pipes. Centre distance 50 mm.
- Connections of the secondary by-passes	Standard RBM (W24,5 x 19F) connections for fittings for pipes made of copper, polyethylene or multilayer pipes. Centre distance 37 mm.
- Maximum operating temperature	95°C
- Maximum operating pressure	1000 KPa (10 bar)
- Minimum depth required for installation in partition walls	80 mm (due to the small thickness of the box: 70 mm)

ACCESSORY FITTINGS

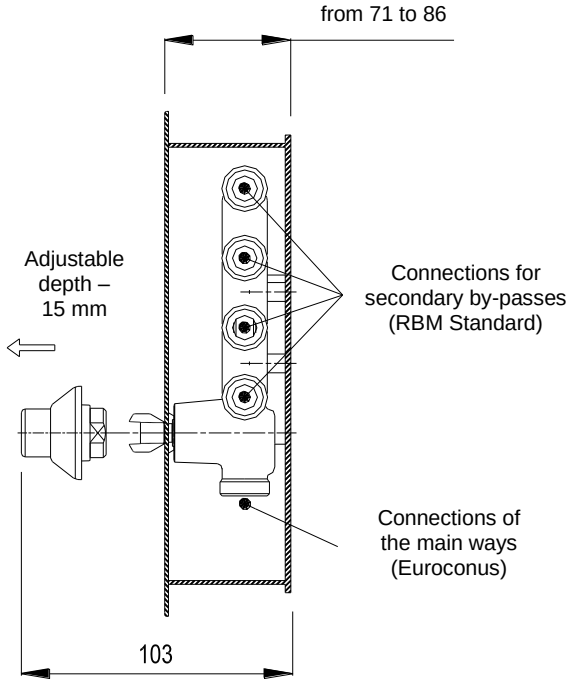
EUROCONUS connection (Main ways)	Code	For pipes made of	Code	RBM STANDARD CONNECTION (secondary by-passes)
	263.1X.20 361.1X.00	copper	41.1X.20 602.1X.00	
	217.XX.X0 123.XX.00	polyethylene	71.XX.X0 122.XX.00	
	224.XX.X0 963.XX.30	Multilayer	70.XX.X0 826.XX.X0	
-	-	Cap for non-used ways	42.00.00	

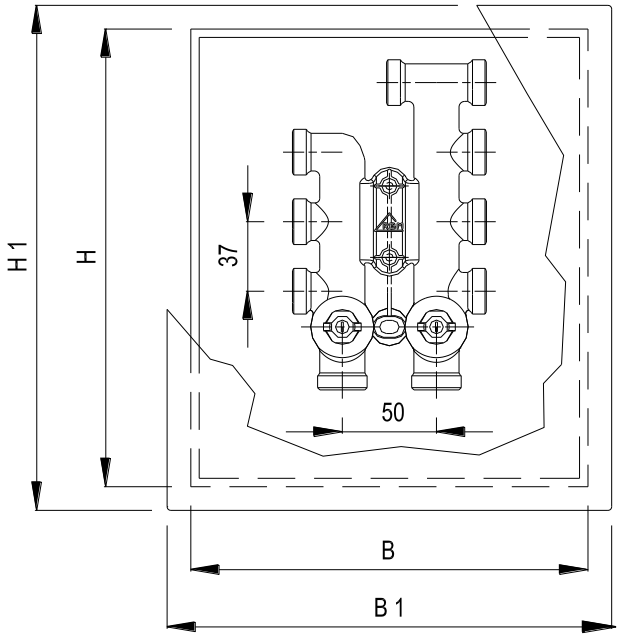
DESCRIPTION

The *Monoblock-Sanitario M.S.®* manifold can be used for the distribution of hot and cold sanitary water.
It is made up of **one single block** including two main ways with EUROCONUS connections (complete with way opening/closing valves) and 8 or 10 secondary by-passes with standard RBM connections (5 for the delivery of cold water and 3 for hot water or 6 for the delivery of cold water and 4 for hot water).

This product is supplied complete with inspection box with removable cover and with *protection for plastering work*. It must be installed recessed.

DIMENSIONAL CHARACTERISTICS





Code	Number of ways	B	H	B 1	H 1
967.00.X0	3 hot 5 cold	211	244	236	269
903.00.X0	4 hot 6 cold	211	281	236	306
		Box		Cover	

CONSTRUCTION CHARACTERISTICS

Manifold body:	Brass, nickel-plated on the surface
Seals:	Ethylene/propylene elastomer
Knob (if present):	Shock-proof ABS
Box:	Shock-proof ABS
Connections of the main ways:	EUROCONUS (G3/4^{II} UNI-EN-ISO 228)
Connections of the secondary ways	STANDARD RBM (W24,5 x 19F)

TECHNICAL CHARACTERISTICS

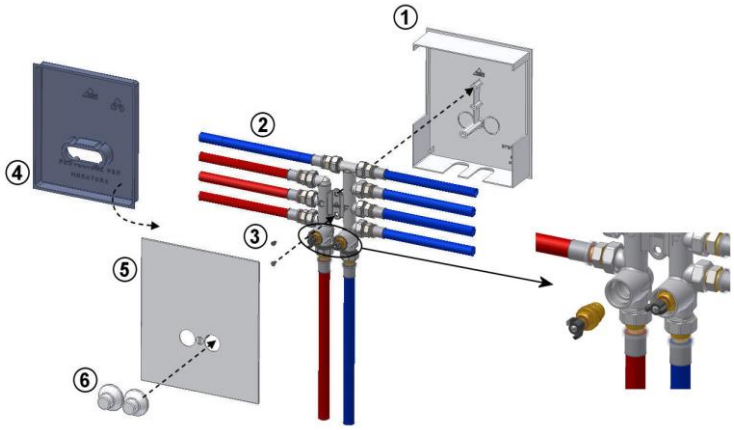
Maximum operating temperature of the manifold:	95°C
Maximum operating pressure of the manifold:	1000 KPa
Minimum depth required for the installation in partition walls:	80 mm
Use:	sanitary use
RBM PATENT NO.:	TO2005U000070

ASSEMBLY CHART OF THE MONOBLOCK-SANITARIO M.S.® MANIFOLD

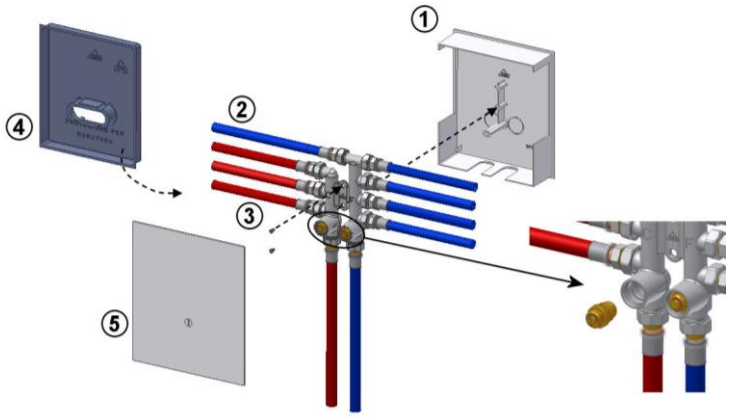
Version with butterfly adjustment and with knobs on the box cover (code 903.00.50; 967.00.00)

House the Monoblock-Sanitario M.S.® manifold (2) in the suitable seat inside the box (1). Fix the component onto the box by tightening the two self-threading screws (3), insert the protection for plastering work (4) and carry out the necessary masonry work for installing the system. Then remove the protection (4) and close the box with its cover (5) using the RBM key supplied. Finally tighten the cock protection knobs (6).

Note: if this is necessary for maintenance work, please remember that, as shown in the figure, the butterfly cock unit can be unscrewed manually from the body of the Monoblock-Sanitario M.S.® manifold (detach the plastic knob and then unscrew the unit using the CH 17 pipe key).



Version with cocks with adjustment using of a screwdriver (code 903.00.60; 967.00.10)



House the Monoblock-Sanitario M.S.® (2) manifold in the suitable seat inside the box (1). Fix the component onto the box by tightening the two self-threading screws (3), insert the protection for plastering work (4) and carry out the necessary masonry work for installing the system. Then remove the protection (4) and close the box with its cover (5) using the RBM key supplied.

Note: if this is necessary for maintenance work, please remember that, as shown in the figure, the butterfly cock unit can be unscrewed manually from the body of the Monoblock-Sanitario M.S.® manifold (detach the plastic knob and then unscrew the unit using the CH 17 pipe key).

ACCESSORY FITTINGS: EUROCONUS CONNECTIONS (MAIN WAYS)

Code	Description	For pipes with the following external Ø [mm]	Pieces in each package	For pipes made of
263.1X.20	 *Compression fitting*. Nickel-plated nut and pipe fastening olive made of brass; Nitrile seal olive; Maximum temperature 95°C; Maximum pressure 10 bar	Ø 12 e Ø 15	10	**Annealed copper**
361.1X.00	 *Compression fitting*. Nickel-plated nut and pipe fastening olive made of brass; Nitrile seal olive; Maximum temperature 95°C; Maximum pressure 10 bar.	da Ø 10 a Ø 18	20	
217.1X.X0 217.2X.X0 123.XX.00	 *Compression fitting*. Nickel-plated nut and pipe fastening olive made of brass; Nitrile seal ring; Maximum temperature 95°C; Maximum pressure 10 bar	da Ø 12 a Ø 21	10	**Polyethylene**
224.1X.X0 224.20.X0	 *Compression fitting*. Nickel-plated nut and pipe fastening olive made of brass; Nitrile seal ring; Maximum temperature 95°C; Maximum pressure 10 bar	da Ø 14 a Ø 20	10	**Multilayer**
963.1X.30 963.2X.30	 *Press fitting*. Body made of nickel-plated brass; EPDM seals; Stainless steel pipe-clamping bush; PE dielectric pipe fastening cap; Maximum temperature 95°C; Maximum pressure 10 bar	da Ø 16 a Ø 26	10	

ACCESSORY FITTINGS: STANDARD RBM CONNECTIONS (SECONDARY BY-PASSES)

Code	Description	For pipes with the following external Ø [mm]	Pieces in each package	For pipes made of
41.1X.20	 *Compression fitting*. Nickel-plated nut and pipe fastening olive made of brass; Nitrile seal olive; Maximum temperature 95°C; Maximum pressure 10 bar	From Ø 10 to Ø 16	20	**Annealed copper**
602.1X.00	 *Keep: Compression fitting*. Nickel-plated nut and pipe fastening olive made of brass; Nitrile seal olive; Maximum temperature 95°C; Maximum pressure 10 bar. Patent no. TO2001U000071	from Ø 10 to Ø 16	20	**Annealed copper o crudo in barre***
71.1X.X0 71.20.X0 122.XX.00	 *Compression fitting*. Nickel-plated nut, core and pipe fastening olive made of brass; Nitrile seal ring; Maximum temperature 95°C; Maximum pressure 10 bar	from Ø 10 to Ø 20	10	**Polyethylene**
70.1X.X0 70.20.X0	 *Compression fitting*. Nickel-plated nut, core and pipe fastening olive made of brass; Nitrile seals; Maximum temperature 95°C; Maximum pressure 10 bar	from Ø 12 to Ø 20	10	**Multilayer**
826.1X.X0 826.20.X0	 *Press fitting*. Body made of nickel-plated brass; EPDM seals; Stainless steel pipe-clamping bush; PE dielectric pipe fastening cap; Maximum temperature 95°C; Maximum pressure 10 bar	from Ø 14 to Ø 20	10	
42.00.00	 *Blind lateral cap*. Body of nickel-plated brass; PTFE seal; Maximum temperature 110°C; Maximum pressure 10 bar	-	20	**Cap for non-used ways**

* This fitting can be used also with pipes made of brass, mild steel and stainless steel.

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